

FORM PTO-390  
OFFICE  
(Modified)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK

ATTORNEY'S DOCKET NUMBER  
32860-000849/US

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/523932

EXPRESS MAIL LABEL NO.

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.

PCT/DE2003/002482

INTERNATIONAL FILING DATE

July 23, 2003

PRIORITY DATE CLAIMED

August 6, 2002

**TITLE OF INVENTION**

HYDROGEL, WHICH CAN BE PHOTOSTRUCTURED IN CONTACT EXPOSURE AND WHICH HAS LINKER GROUPS

**APPLICANT(S) FOR DO/EO/US**

Hans-Dieter FEUCHT, and Walter GUMBRECHT

**Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:**

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau). **WO 2004/021001 A1**
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is transmitted herewith.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4)
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 20. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98-1449, International Search Report (PCT/ISA/210), International Preliminary Examination Report (PCT/IPEA/409, PCT/IPEA/416), German Translation Aid and PTO Form 1449 w/ Listing Four (4) References
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☒ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>10/523932</b> <small>NEW APPLICATION</small>		INTERNATIONAL APPLICATION NO PCT/DE2003/002482		ATTORNEY'S DOCKET NUMBER 32860-000849/US	
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21. <input checked="" type="checkbox"/> The following fees are submitted:  <b>PCT FEES – NATIONAL STAGE:</b>  <table style="width:100%;"> <tr> <th style="text-align: left;">Fee Code</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Fee</th> </tr> <tr> <td>1631</td> <td>Basic National Stage Fee.....</td> <td>\$300.00</td> </tr> <tr> <td>1632</td> <td>National Stage Search Fee.....</td> <td>\$500.00</td> </tr> <tr> <td>1633</td> <td>National Stage Examination Fee.....</td> <td>\$200.00</td> </tr> </table> <b>ENTER APPROPRIATE FEE AMOUNT =</b>				Fee Code	Description	Fee	1631	Basic National Stage Fee.....	\$300.00	1632	National Stage Search Fee.....	\$500.00	1633	National Stage Examination Fee.....	\$200.00	<table style="width:100%;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td colspan="2" style="height: 100px;"></td> </tr> </table>		CALCULATIONS	PTO USE ONLY		
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1631	Basic National Stage Fee.....	\$300.00																			
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1633	National Stage Examination Fee.....	\$200.00																			
CALCULATIONS	PTO USE ONLY																				

  

Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(e)).				<table style="width:100%;"> <tr> <td style="width:50%;">\$ 1000.00</td> <td style="width:50%;"></td> </tr> <tr> <td>\$ 130.00</td> <td></td> </tr> </table>		\$ 1000.00		\$ 130.00	
\$ 1000.00									
\$ 130.00									

  

PAGES	PAGES FILED	EXTRA PAGES FILED IN 50 PAGE SEGMENTS	RATE		
Total Pages	7 - 100 =	0	X 250.00	\$	0.00

  

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	15 - 20 =	0	X \$50.00	\$	0.00
Independent Claims	1 - 3 =	0	X \$200.00	\$	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	0.00

  

<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	1130.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	1130.00
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	1130.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	0.00
<b>TOTAL FEES ENCLOSED =</b>				\$	1130.00
				Amount to be: refunded	\$
				charged	\$

  

a. ☒ A check in the amount of **\$1130.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account. No. 08-0750 in the amount of \$            to cover the above fees.  
 A triplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

Send all correspondence to:  
**Harness, Dickey & Pierce, P.L.C – Customer No. 30596**  
**Post Office Box 8910**  
**Reston, Virginia 20195**

**Date: February 7, 2005**

By Donald J. Daley  
 Donald J. Daley, Reg. No. 34,313

DJD/smk

GERMAN TRANSLATION AID

Es bedeutet: (It means:)

- X: Druckschriften, die Neuheit oder Erfindungshöhe allein in Frage stellen  
(Publications, which question novelty or just obviousness)
- Y: Druckschriften, die die Erfindungshöhe zusammen mit anderen Druckschriften in Frage stellen  
(Publications which, together with other publications, question obviousness)
- A: Allgemein zum Stand der Technik, technologischer Hintergrund  
(General state of the art, technological background)
- O: Nicht-schriftliche Offenbarung, z. B. ein in einer nachveröffentlichten Druckschrift abgedruckter Vortrag, der vor dem Anmelde- oder Prioritätstag öffentlich gehalten wurde  
(Non-written disclosure, for example, a printed post publication of a lecture which was publicly made before the filing date or priority date)
- P: Im Prioritätsintervall veröffentlichte Druckschriften  
(Publications publicized in a priority interval)
- T: Nachveröffentlichte, nicht kollidierende Druckschriften, die die Theorie der angemeldeten Erfindung betreffen und für ein besseres Verständnis der angemeldeten Erfindung nützlich sein können bzw. zeigen daß der angemeldeten Erfindung zugrunde liegende Gedankengänge oder Sachverhalte falsch sein könnten  
(Post publications, not anticipating publications, which refer to the theory of the filed invention and which refer could be useful for a better understanding or, as the case may be, which could show that reasoning or facts of the filed invention are incorrect)
- E: Ältere Anmeldungen gemäß §3 Abs.2 PatG (bei Recherchen nach § 43 PatG); ältere Patentanmeldungen oder ältere Gebrauchsmuster gemäß § 15 GbmG (bei Recherchen nach § 7 GbmG)



(Older applications under § 3 section 2 PatG (inquiries under § 43 PatG);  
older patent applications or patents under § 15 GbmG (inquiries under § 7  
GbmG))

D: Druckschriften, die bereits in der Patentmeldung genannt sind

(Publications, which are cited in the patent application)

L: Aus besonderen Gründen genannte Druckschriften, z. B. zum  
Veröffentlichungstag einer Entgeghaltung oder bei Zweifeln an der  
Priorität.

(Publications which are cited for a particular reason, for example, relative  
to the publication date of a reference or cast doubt on the priority)

Veröff: Veröffentlichungstag einer Druckschrift im Prioritätsintervall

(Publication date of a publication in a priority interval)

nr: Nicht recherchiert, da allgemein bekannter Stand der Technik, oder  
nicht recherchierbar

(Not searched, because it is known state of the art, or cannot be  
searched)

=: Druckschriften, die auf dieselbe Ursprungsanmeldung  
zuzückgehen ("Patentfamilien"), oder auf die sich Referate oder  
Abstracts beziehen.

(Publications, which refer to the same original application ("patent  
family"), or which are referred to in reviews or abstracts.)

"-": Nichts ermittelt

(Nothing discovered)

Hier sind die Ansprüche unter Zuordnung zu den in Spalte 2 genannten relevanten  
Stellen angegeben.

(The claims are stated herein which refer to the relevant positions recited in  
column 2.)

Seite (page)

Zeile (line)

Abbildungen (Drawings)

Spalte (Column)

Absatz (Paragraph)

Zusammenfassung (Abstract of Disclosure)